



SLOVENSKI STANDARD SIST EN ISO 1874-1:2001

01-junij-2001

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Plastics - Polyamide (PA) moulding and extrusion materials - Part 1: Designation (ISO 1874-1:1992)

Kunststoffe - Polyamid (PA)-Formmassen - Teil 1: Bezeichnung (ISO 1874-1:1992)

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Plastiques - Matériaux polyamides (PA) pour moulage et extrusion - Partie 1:
Désignation (ISO 1874-1:1992)

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Ta slovenski standard je istoveten z: **EN ISO 1874-1:2000**

ICS:

83.080.20 Plastomeri Thermoplastic materials

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EUROPEAN STANDARD

EN ISO 1874-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2000

ICS 83.080

English version

Plastics - Polyamide (PA) moulding and extrusion materials - Part 1: Designation (ISO 1874-1:1992)

Plastiques - Matériaux polyamides (PA) pour moulage et
extrusion - Partie 1: Désignation (ISO 1874-1:1992)

Kunststoffe - Polyamid (PA)-Formmassen - Teil 1:
Bezeichnung (ISO 1874-1:1992)

This European Standard was approved by CEN on 8 September 2000.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

The text of the International Standard from Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2001, and conflicting national standards shall be withdrawn at the latest by March 2001.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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Endorsement notice

The text of the International Standard ISO 1874-1:1992 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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Annex ZA (normative)
Normative references to international publications
with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 307	1984	Plastics - Polyamides - Determination of viscosity number	EN ISO 307	1997
ISO 1043-1	1987	Plastics - Symbols and abbreviated terms - Part 1: Basic polymers and their special characteristics	EN ISO 1043-1	1999
ISO 1874-2	1987	Plastics - Polyamide (PA) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties	EN ISO 1874-2	1995
ISO 3451-4	1986	Plastics - Determination of ash - Part 4: Polyamides	EN ISO 3451-4	1995

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INTERNATIONAL STANDARD

ISO
1874-1

Second edition
1992-03-01

Corrected and reprinted
1992-12-01

Plastics — Polyamide (PA) moulding and extrusion materials —

Part 1:

Designation
STANDARD PREVIEW
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Plastiques — Matériaux polyamides (PA) pour moulage et extrusion —

Partie 1: Désignation

<https://standards.iteh.ai/catalog/standards/sist/3f36f457-a997-4efb-9cd1-e050a4c489c9/sist-en-iso-1874-1-2001>



Reference number
ISO 1874-1:1992(E)

ISO 1874-1:1992(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 1874-1 was prepared by Technical Committee ISO/TC 61, *Plastics*, Sub-Committee SC 9, *Thermoplastic materials*.

This second edition cancels and replaces the first edition (ISO 1874-1:1985), the scope of which has been extended to include not only homopolymers but also copolymers.

ISO 1874 consists of the following parts, under the general title *Plastics — Polyamide (PA) moulding and extrusion materials*:

- *Part 1: Designation*
- *Part 2: Preparation of test specimens and determination of properties*

Annex A forms an integral part of this part of ISO 1874.

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Plastics — Polyamide (PA) moulding and extrusion materials —

Part 1: Designation

1 Scope

1.1 This part of ISO 1874 establishes a system of designation for polyamide (PA) thermoplastic materials, which may be used as the basis for specifications.

It covers polyamide homopolymers for moulding and extrusion based on PA 6, PA 66, PA 69, PA 610, PA 612, PA 11, PA 12, PA MXD6, PA 46, PA 1212 and copolyamides of various compositions for moulding and extrusion.

[SIST EN ISO 1874-1:2001](https://standards.iteh.ai/catalog/standards/sist/336f457-a997-4efb-9cd1-c03084c407c7/sist-en-iso-1874-1-2001)

1.2 The types of polyamide plastic are differentiated from each other by a classification system based on appropriate levels of the designatory properties

- a) viscosity number,
- b) tensile modulus of elasticity and
- c) presence of nucleating agent,

and on information about chemical structure, intended application, method of processing, important properties, additives, colour, fillers and reinforcing materials.

1.3 The designation system is applicable to all polyamide homopolymers and copolymers. It applies to materials ready for normal use, unmodified and modified by colorants, additives, fillers, reinforcing materials, polymer modifiers, etc.

This part of ISO 1874 does not apply to monomer casting-type polyamides of PA 6 and PA 12.

1.4 It is not intended to imply that materials having the same designation give necessarily the same performance. This part of ISO 1874 does not provide engineering data, performance data or data on processing conditions which may be required to specify a material for a particular application and/or method of processing.

If such additional properties are required, they shall be determined in accordance with the test methods specified in part 2 of ISO 1874, if suitable.

1.5 In order to specify a thermoplastic material for a particular application or reproducible processing, additional requirements may be given in Data Block 5 (see clause 3).